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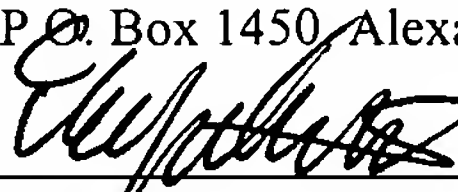
Date of Deposit: August 6, 2007

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I hereby certify under 37 C.F.R. § 1.10 that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" with sufficient postage on the date indicated above and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

Theo Tasker

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ruvkun et al.

Confirmation No.: 2515

Serial No.: 10/587,735

Art Unit: 1635

Filed: July 27, 2006

Examiner: Not Yet Assigned

Customer No.: 21559

Title: COMPOSITIONS AND METHODS THAT ENHANCE RNA
INTERFERENCE

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REPLY TO NOTIFICATION OF MISSING REQUIREMENTS

In reply to the Notification of Missing Requirements that was mailed in connection with the above-captioned application on April 5, 2007, a copy of which is enclosed, applicants, as a small entity, submit the following:

- A Combined Declaration and Power of Attorney in compliance with 37 C.F.R. § 1.497(a) and (b);
- A Preliminary Amendment;
- A Sequence Statement Under 37 C.F.R § 1.821;

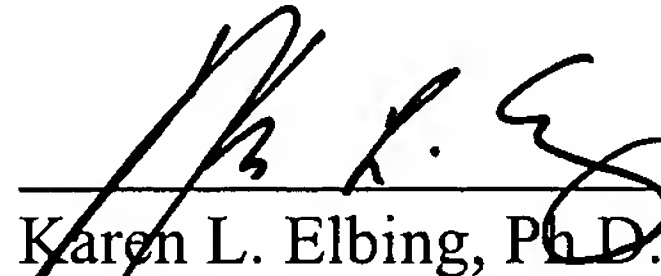
- A surcharge under 37 C.F.R. § 1.492(h) of \$65.00, because the declaration is being submitted after 30 months from the priority date; and
- Payment of \$125.00 for the required application size fee.

Enclosed is a Petition to extend the period for replying to the Notification of Missing Requirements for 2 months, to and including August 6, 2007, as August 5, 2007 falls on a Sunday, and a check in payment of the required extension fee.

If there are any additional charges or any credits, please apply them to Deposit Account No. 03-2095.

Respectfully submitted,

Date: 06 August 2007



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UNITED STATES PATENT AND TRADEMARK OFFICE

APR 6 9 2007

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
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U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/587,735	Gary Ruvkun	00786/453002

INTERNATIONAL APPLICATION NO.	
PCT/US05/02804	
I.A. FILING DATE	PRIORITY DATE
02/02/2005	02/02/2004

21559
 CLARK & ELBING LLP
 101 FEDERAL STREET
 BOSTON, MA 02110

CONFIRMATION NO. 2515

371 FORMALITIES LETTER



OC000000023266460

Date Mailed: 04/05/2007

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Indication of Small Entity Status
- Copy of the International Application filed on 07/27/2006.
- Copy of the International Search Report filed on 07/27/2006
- Preliminary Amendments filed on 07/27/2006
- Request for Immediate Examination filed on 07/27/2006
- U.S. Basic National Fees filed on 07/27/2006
- Priority Documents filed on 07/27/2006
- Specification filed on 07/27/2006
- Claims filed on 07/27/2006
- Abstracts filed on 07/27/2006
- Drawings filed on 07/27/2006

ACTION DUE Reply/S.L.
 DUE DATE 6.05.07
 ESP 10.05.07
 INITIALS TM

08/09/2007 MKAYPAGH 00000084 10587735

02 FC:2617

65.00 DP

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.

SUMMARY OF FEES DUE:

Total additional fees required for this application is \$125 for a Small Entity:

- This application clearly fails to comply with the requirements of 37 CFR. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at

63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000). Applicant must provide an initial computer readable form (CRF) copy of the "Sequence Listing", an initial paper or compact disc copy of the "Sequence Listing", **as well as an amendment specifically directing its entry into the application.** Applicant must also provide a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If applicant desires the sequence listing in the instant application to be identical with that of another application on file in the U.S. Patent and Trademark Office, such request in accordance with 37 CFR 1.821(e) may be submitted in lieu of a new CRF.

- A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000). Applicant must provide an initial computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If applicant desires the sequence listing in the instant application to be identical with that of another application on file in the U.S. Patent and Trademark Office, such request in accordance with 37 CFR 1.821(e) may be submitted in lieu of a new CRF.
- The specification and drawings contain more than 100 pages. Applicant owes \$125 for 18 pages in excess of 100 pages for a small entity in compliance with 37 CFR 1.27.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:

- For Rules Interpretation, call (571) 272-0951
- For Patentin Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.
- Send e-mail correspondence for Patentin Software Program Help @ ebc@uspto.gov

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.
<https://spportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

08/09/2007 MKAYPAGH 00000090 10587735

01 FC:2681

125.00 DP

VIRGINIA L IRBY

Telephone: (703) 308-9140 EXT 229

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/587,735	PCT/US05/02804	00786/453002

FORM PCT/DO/EO/905 (371 Formalities Notice)